



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/036,164	12/31/2001	Jai Menon	36968/263594	4892
23552	7590	03/25/2005	EXAMINER	
MERCHANT & GOULD PC P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			BOUTAH, ALINA A	
			ART UNIT	PAPER NUMBER
			2143	

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/036,164

Applicant(s)

MENON ET AL.

Examiner

Alina N Boutah

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 12/31/01.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 12/20/02.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Specification*

The disclosure is objected to because of the following informalities: the blank spaces under related application need to be filled.

Appropriate correction is required.

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over USPN 6,687,846 issued to Adrangi et al. (hereinafter referred to as Adrangi) in view of USPN 6,829,654 issued to Jungck.

Regarding claim 1, Adrangi teaches a computer readable medium having computer executable components, comprising:

an edge network services component that provides an interface to a network, the network including a central point of presence (figure 2: 220-222), a plurality of regional points of presence connected to the central point of presence (figure 2: 230-234) and a plurality of edge

Art Unit: 2143

points of presence, each edge point of presence connected to a regional point of presence and at least one user location (figure 2: 240-245);

an integration component that interfaces with the edge network services component and a plurality of platform components, the integration component including network management services for the central point of presence, the regional points of presence and the edge points of presence and including platform component support services for the plurality of platform components (figure 5); and

the plurality of platform components, each platform component associated with a service (col. 6, lines 50-53).

Regarding claim 2, Adrangi teaches the computer readable medium of claim 1, wherein a first platform component associated with a first service and a second platform component associated with a second service are used in combination to provide the first service and the second service to an application program (col. 6, lines 39-55).

Regarding claim 3, Adrangi fails to teach the computer readable medium of Claim 1, wherein one of the platform components is a voice component that provides a voice interface to a voice device. Jungck teaches a voice component that provides a voice user interface for the application program (col. 31, line 61).

Art Unit: 2143

Regarding claim 4, Adrangi teaches the computer readable medium of Claim 1, wherein one of the platform components is a wireless component that provides a wireless interface to a wireless device (col. 2, lines 49-58).

Regarding claim 5, Adrangi teaches a computer readable medium having computer executable component, comprising:

an edge network services component that provides an interface to a network (figure 2);

an integration component that interfaces with the edge network services component and a plurality of platform components, the integration component including network management services and platform component support services (figure 5); and

the plurality of platform components, each platform component providing a service, wherein an application program utilizes a platform component to provide a user interface service (figure 5).

Regarding claim 6, Adrangi teaches the computer readable medium of Claim 5, wherein one of the platform components is a wireless component that provides a wireless user interface for the application program (col. 2, lines 49-58).

Regarding claim 7, Adrangi fails to teach the computer readable medium of Claim 5, wherein one of the platform components is a voice component that provides a voice user interface for the application program. Jungck teaches a voice component that provides a voice user interface for the application program (col. 31, line 61).

Regarding claim 8, Adrangi fails to teach the computer readable medium of Claim 5, wherein the application program utilizes a second platform component to provide a support service. Jungck teaches the application program utilizes a second platform component to provide a support service (col. 4, lines 23-29).

Regarding claim 9, Adrangi fails to teach the computer readable medium of Claim 8, wherein the second platform component is a security component that provides a secure interconnection for the application program. Jungck teaches the second platform component is a security component that provides a secure interconnection for the application program (figure 4A).

Regarding claim 10, Adrangi teaches the computer readable medium of Claim 8, wherein the second platform component is a storage component that provides storage for the application program (col. 1, lines 36-44).

Regarding claim 11, Adrangi teaches the computer readable medium of Claim 8, wherein the second platform component is a bandwidth management component that provides dynamic bandwidth adjustment for the application program (col. 14, lines 27-37).

Regarding claim 12, Adrangi teaches a platform for hosting an application program, comprising:

Art Unit: 2143

an integration layer that includes a service management layer that interfaces with the edge network services layer and a network management layer that interfaces with a plurality of platform components (figure 5); and the plurality of platform components, wherein the application program utilizes a platform component to obtain a support service (col. 4, lines 16-51).

However, Adrangi fails to teach an edge network services layer that interfaces to a network, the edge network services layer operative to identify information that is relevant to a user and a device that the user is using to access the network.

Jungck teaches an edge network services layer that interfaces to a network, the edge network services layer operative to identify information that is relevant to a user and a device that the user is using to access the network (col. 7, line 65 to col. 8, line 11). At the time the invention was made, one of ordinary skill in the art would have been motivated to combine the teaching of Jungck with the teaching of Adrangi in order to monitor the devices that are connected to the network, thus enhancing content delivery.

Regarding claim 13, Adrangi teaches the platform of claim 12, wherein the edge network services layer monitors a user's actions to identify information that is relevant to the user (col. 6, lines 40-55).

Regarding claim 14, Adrangi teaches the platform of Claim 12, wherein the platform hosts a plurality of application programs written for different platforms (col. 6, lines 40-55).

Art Unit: 2143

Regarding claim 15, Jungck teaches the platform of claim 12, wherein one of the platform components is a security component that provides secure interconnections for the application program (col. 24, line 66 to col. 25, line 2).

Regarding claim 16, Adrangi teaches the platform of claim 12, wherein the application program utilizes the platform components to provide a user interface service (co. 6, lines 50-55).

Regarding claim 17, Adrangi teaches the platform of Claim 16, wherein the edge network services layer identifies a wireless device as the device that the user is using to access the network and wherein one of the platform components is a wireless component that provides a wireless user interface for the application program (col. 2, lines 49-58).

Regarding claim 18, Jungck teaches the platform of Claim 16, wherein the edge network services layer identifies a voice device as the device that the user is using to access the network and wherein one of the platform components is a voice component that provides a voice user interface for the application program (col. 31, line 61).

Regarding claim 19, Adrangi teaches the platform of Claim 12, wherein the edge network services layer identifies selected information as the information that is selected to the user and wherein one of the platform components is a content distribution component that identifies the selected information to the application program (col. 3, lines 49-55).



Art Unit: 2143

Regarding claim 20, Jungck teaches the platform of claim 12, wherein a portion of the network includes a public switched telephone network (col. 31, line 61).

Regarding claim 21, Adrangi teaches the platform of Claim 12, wherein the network includes: a central point of presence, a plurality of regional points of presence connected to the central point of presence, and a plurality of edge points of presence and each edge point of presence connected to one of the regional points of presence and at least one user location (figure 2).

However, Adrangi fails to teach the central point of presence including a central server, a central router and central storage; each regional point of presence including a regional server, a regional router and regional storage; and each edge point of presence including an edge server, an edge router and edge storage.

Jungck teaches central point of presence including a central server, a central router and central storage; each regional point of presence including a regional server, a regional router and regional storage; and each edge point of presence including an edge server, an edge router and edge storage (figures 2-6).

At the time the invention was made, one of ordinary skill in the art would have been  
motivated to enable the central, regional and edge point of presence to include server, router and storage in order to cover all points of presence, therefor enhancing the content delivery services.

Art Unit: 2143

***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alina N. Boutah whose telephone number is 571-272-3908. The examiner can normally be reached on Monday-Friday (9:00 am - 5:00 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*ANB*

ANB

  
DAVID WILEY  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100